April 21, 2010 9:19:03 AM



Page 1

D206-642-541 · Item ID: Accept Setup Start **Revision ID:** Stop Replacement Skidtube Item Name: **Start Date:** 21/04/2010 Start Qty: 1.00 **Cust Item ID: Required Date: 28/04/2010** Req'd Qty: 1.00 **Customer:** Reference: Run Start Date: 10-4-2/ Tooling: **Process Plan:** Approvals: Date: Stop QC: Date: SPC (Y/N): Date: Sequence ID/ Operation Set Up/ Draw Draw Plan Accept Reject Reject Insp. **Work Center ID** Description **Run Hours** Number Rev. Code Qty Qty Number Stamp Draw Nbr **Revision Nbr** D3274 D

100

IIN-D206-642

DOCUMENT CONTROL

Rev M

Memo

0.00

0.00

Document Control

Photocopy bluefile & type labels per PPP D206-642-541

CHG003

N/A K)

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Page 2

Item ID:

D206-642-541

Accept



Setup Start

Stop



Revision ID:

·Item Name:

Replacement Skidtube

Start Date:

21/04/2010

Start Qty: 1.00

Required Date: 28/04/2010

Req'd Qty: 1.00



Cust Item ID:

Customer:

Reference:

А	nn	ro	val	s:

Process Plan:

QC:

Date:

Date:_____ Tooling: SPC (Y/N):

Date: Date: Run Start

Stop



Sequence ID/ Work Center ID

110



Skidtubes

Skidtubes

Operation Description

Set Up/ **Run Hours** Draw Number

Draw Plan Rev. Code

Accept **Qty**

Reject **Oty**

Reject Number Stamp

Insp.

Skidtubes

Memo

0.00

0.00

**** VERIFY AND INSPECT THE MATERIAL PRIOR TO USE****

1- Bend FWD end of tube using bend prog D3274 FWD dwg D3274, cut fwd end of tube with saw table setup D3274.

2- remove fwd indexing ridge as per dwg D3274. Prepare for welding

3- weld fwd cap as per dwg D3274 and QSI004 AR Aluminum Rod Batch: M1/2.50 7

BE 10/05/05

4- grind fwd cap weld on top surface only

5- Cut AFT end of tube at 170.9" as per dwg D3274 and deburr end.

6-Drill Aft cap pilot hole using DT8025

7 -Cleco DT8025 in position and install pilot hole drill Jig DT8742A,B,C,D. Drill 3/16" pilot holes as per Dwg D3274

8 -Remove inner indexing ridge on aft end of skidtube as per Dwg D3274 scribe

9 -Open aft end cap holes to Ø0.208" as per Dwg D3274. Deburr aft end.

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Page 3

Item ID:

D206-642-541

Accept



Setup Start



Revision ID:

Item Name:

Replacement Skidtube

Start Date:

21/04/2010

Start Qty: 1.00

Required Date: 28/04/2010

Req'd Qty: 1.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan: _____

Operation

Description

Date:_____

Tooling:

Date:

Date:

Run

Start

Stop

Stop



QC:

Date:_____

SPC (Y/N):

Set Up/

Run Hours

Draw Number

Draw Plan

Accept **Qty**

Reject

Insp.

120

Sequence ID/

Work Center ID

HandFinish

0.00

Rev.

Code

Reject Qty

Number Stamp

Hand Finishing

Memo

Chemical Conversion Coat per QSI005 4.1

0.00



Quality Control

QC3- Inspect Part Finish

Memo

140



0.00

Sioloslu

Quality Control

Memo

QC5- Inspect part completeness to step on W/O

0.00

April 21, 2010 9:19:03 AM



Page 4

Item ID:

D206-642-541

Accept



Setup Start



Revision ID:

Item Name: Replacement Skidtube

Start Date:

21/04/2010

Start Qty: 1.00

Required Date: 28/04/2010 Req'd Qty: 1.00



Cust Item ID:

Customer:

Reference:

Approvals	:
-----------	---

Process Plan:

Operation

Description

Tooling:

0.00

0.00

Date:

Run

Start

Stop



QC:

Date: _____

Set Up/

Run Hours

Date:

Work Center ID 150

Sequence ID/

Skidtubes

Skidtubes

Skidtubes

Memo

1-Open Ø0.313" and 0.375" crossbolt spacer holes using DT8743 as per Dwg D3274

2-Deburr crossbolt spacer holes as per Dwg D3274 and blow out chips from inside the tube

3-Bond web in place as per Dwg D3274 & OSI 015.

A/R | Sikaflex-291 | 4113435 | | Sikaflex expire date: 10 - 11-30

Start: 10-5-11 Time: 10m 0 Finish:□ □Time:□

(Adhere for 12 hours)

160

QC5- Inspect part completeness to step on W/O

0.00

Memo

0.00

Quality Control

Date:

SPC (Y/N):

Draw Number

Draw Rev.

Plan Code

Accept Qty

Reject Qty

Reject Number Stamp

Insp.

Work Orde		960									Page 5
Item ID: Revision ID:	D206-642-5	41		Accept					Setup Sta	rt	
Item Name:	Replacement	Skidtube							Sto	р	
Start Date: Required Date: Reference:	21/04/2010 28/04/2010	Start Qty: 1.00 Req'd Qty: 1.00	160 11 110 110 187 187 188		Cust Item I Customer:	D:				1 188111811	
Approvals:	Process Pla	nn:	Date:	Tooling:	D:	ate:	_]	Run Sta		
	QC:		Date:	_ SPC (Y/N):	Da	ate:			Sto	PP	
Sequence ID/ Work Center II)	Operation Description	11-20	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
170 Skidtubes		Skidtubes		0.00							_
Skidtubes		drop pins in 2- DRILL PI	end of tube using bend processbolt spacer holes to r LOT HOLES FOR WEAF ES TO .297" . Deburr	naintain web position.		М	w/s	118			
		END OF TU DEBURR IN REMOVE A	NSIDE OF HOLE AS NEO NY FOREIGN OBJECTS	CESSARY (DO NOT EN SINSIDE OF TUBES		în	[O	05-2	00		
	4	5- prepare for	nk crossbolt spacer holes a r welding	as per Dwg D3274							

180 QC

Quality Control

QC5- Inspect part completeness to step on W/O

Memo

0.00

L= 3.0°

Work	Ord	ler ID	57960
April 21	2010	0.10.03	111



Page 6

April 21, 2010 9:19:03 AM Item ID: D206-642-541 **Revision ID: Item Name:** Replacement Skidtube **Start Date:** 21/04/2010 Start Oty: 1.00 **Required Date: 28/04/2010** Req'd Qty: 1.00 Reference: Process Plan: _____ Approvals: QC: Sequence ID/ Operation Work Center ID Description 190 Skidtubes Skidtubes Skidtubes

Accept Setup Start Stop **Cust Item ID: Customer:** Run Start Date: **Tooling:** Date: Stop Date: _____ SPC (Y/N): Date: Set Up/ Draw Reject Draw Plan Accept Reject Insp. **Run Hours** Number Rev. Code Qty Qty Number Stamp 0.00 0.00 Memo 1-Insert D2649 & D3275-1 crossbolt spacers. Weld as per QSI 004 and Dwg D3274. Remember to back drill each hole before welding the other side. Use Use BE 10/05/25 Q.M 10-05-25 aluminum rod A/R | Aluminum Rod | M112507 3-Grind cross bolt welds flush as per Dwg D3274. 4-Counterbore 5/16" x 0.750" deep as per Dwg D3274 and deburr.

200



QC5- Inspect part completeness to step on W/O

Memo

Quality Control

April 21, 2010 9:19:03 AM



Page 7

Item ID:

D206-642-541

Accept



Setup Start

Stop



Revision ID:

Item Name:

Replacement Skidtube

Start Date:

21/04/2010

Start Oty: 1.00

Required Date: 28/04/2010 Req'd Qty: 1.00



Date:_____

Cust Item ID: Customer:

Reference:

Ap	prova	us:

Process Plan:

Date:_____

Tooling:

SPC (Y/N):

Date:

Date:

Run Start

Stop

Sequence ID/ Work Center ID

210



Quality Control

Operation Description

QC10- Inspect visual per QSI004- ground welds

Set Up/ **Run Hours**

Draw Number

Draw Plan Code Rev.

Accept **Qty**

Reject **Oty**

Reject Insp. Number Stamp '

Memo

0.00

0.00

2 wolotor

220



Hand Finishing

Pressure Wash per QSI005 4.3

Memo

RE-ALONINE 0.00 PARO9-043.

a BR 105-1

230



Powdercoat

Powder Coating

White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum

M1114207

=) Il 10/06/01

Memo

START TIME: 3:150 M OVEN TEMPERATURE: 320°/-FINISH TIME: 3: 45 pm

April 21, 2010 9:19:03 AM



Page 8

Item ID:

D206-642-541

Accept



Setup Start

Stop



Revision ID:

Item Name: Replacement Skidtube

Start Date:

21/04/2010

Start Qty: 1.00

Required Date: 28/04/2010 Req'd Qty: 1.00

Cust Item ID:

Customer:

Draw

Number

Reference:

Approvals:

Process Plan: _____ Date: ____ Tooling:

Date: _____ SPC (Y/N):

Date:

Date:

Draw

Rev.

Plan

Code

Accept

Stop



Number Stamp

Sequence ID/ Work Center ID

240

Quality Control

Operation Description

QC3- Inspect Part Finish

Memo

Set Up/ **Run Hours**

0.00

0.00

Run

Start

Qty

Reject

Qty

Reject

Insp.

250

HandFinish

Hand Finishing

HandFinishing

0.00

Memo
1-Install Nut Plate as per Dwg D3274. Apply-LP8-3 to Nut Plate and rivets.

A/R | N/A | LPS-3 | 10425/

2-Install inserts as per Dwg D3274. Use a drop of Sikaflex inside insert holes a A/R \square Sikaflex-291 \square // 35/9 \square

Sikaflex expire date:

260

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

Memo

Inspect Nut Plate & Inserts

M 10 08 14 (1)



Work Order ID 57960 April 21, 2010 9:19:03 AM											Page 9
Item ID: Revision ID:	D206-642-54			Accept				S S	Setup Star	1 19 6 1 1 1 1	
	Replacement 5 21/04/2010 28/04/2010	Start Qty: 1.00 Req'd Qty: 1.00			Cust Item I Customer:	D:			Stop		
Approvals:		n:	Date:	Tooling: SPC (Y/N):		ate:		.	Run Star Stop		
Sequence ID/ Work Center II 270)	Operation Description HAND FINISHING RES	OURCE#1	Set Up/ Run Hours 0.00	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Hand Finishing		2-Install ring A/R□□Sika	rpads & gaskets as as per Dwg D3274 flex-291	5/9 <u> </u>				<u> </u>	_/∂	<u> </u>	. <u>.14 (</u>)
		4-Spray insi	foreign objects as p de of tube on both s PS-3 Batch: Cap and seal with S flex-291 //3 5	ides of web with LPS-3	M/ 10.08-14						

280 QC

QC5- Inspect part completeness to step on W/O

Quality Control

Memo

April 21, 2010 9:19:03 AM



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Item ID:

D206-642-541

Accept

Setup Start



Revision ID:

Item Name:

Replacement Skidtube

Start Date:

21/04/2010

Start Qty: 1.00

Required Date: 28/04/2010

Req'd Qty: 1.00



Cust Item ID:

Customer:

Draw

Number

Reference:

Process Plan: ____

Date:_____

Date:_____

Tooling:

SPC (Y/N):

Date:

Draw

Rev.

Date:

Start

Stop



Stop



Sequence ID/ Work Center ID

290

Packaging

Packaging

Operation Description

QC:

Identify as per dwg & Stock Location:

Set Up/ **Run Hours**

0.00

Plan Accept Code Qty

Reject Qty

Run

Reject Number

Insp. Stamp

Memo

Memo

0.00



Quality Control

QC21- Final Inspection - Work Order Release

0.00

Picklist Print						***			Dago 1
April 21, 2010 9:19:	:08 AM								Page 1
Work Order ID: 579	960					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	06-642-541			1818 1811 88118 8111 1881 8111 8181 1881 1					
	Replacement SI						Start	Date: 21/04/2010	Required Date: 28/04/2010
	IPP Rev:D 07	.09.23 □ Revised per D2 7-02-23 Added SS W 7-12-06 replace NAS 8-04-17 as per PAR	earplate 1515H3	Rev. J□KJ/JLM s & Gaskets JLM□ L to D3672-1 DD DD verified by:EC			Star	t Qty: 1.00	Required Qty: 1.00
D2600-1-190 Extrusion Round 3" 206		Manufactured	No		110	Each		0000 	
D3285-1		Manufactured	No	Warehouse Location Main Warehouse LG 47575	110	Oty 44 44 Each	158.0000 1.0		5-4
				Warchouse Location Main Warchouse LG 47635 52511 52647	<u>Loc</u>	158 9 74 75	Loc Code		_ &E 10/05/05
D3282-041		Manufactured	No	B 575	39	Each	90000 1.0	000	
D2649		Manufactured	No		190	Each	85.0000	000 	
				Warehouse Location Main Warehouse	Loc	<u>Oty</u>	<u>Loc Code</u>		
				LG 55000	, ,	85 85			
				B58	545		(x /2		BE 10/05/25

Page 2

April 21, 2010 9:19:08 AM Work Order ID: 57960 Parent Item: D206-642-541 Parent Item Name: Replacement Skidtube Start Date: 21/04/2010 Required Date: 28/04/2010 IPP Rev:B□05.09.23□Revised per D206-642 Rev. J□KJ/JLM Comments: Start Qty: 1.00 Required Qty: 1.00 Added SS Wearplates & Gaskets JLM IPP Rev:C 07-02-23 IPP Rev:D 07-12-06 replace NAS1515H3L to D3672-1 DD IPP Rev:E 08-04-17 as per PAR 08-015 DD verified by:EC D3275-1 Manufactured No 190 Each 20.0000 12.0000 Crossbolt Spacer Warehouse Loc Oty Loc Code Location BE 10/05/25 R 5 75/3 Main Warehouse LG 20 53453 20 CR3212-4-03 Purchased No 250 Each 2,117.000 2.0000 Cherry Rivet NM 10.06.14 Warehouse Loc Qty Loc Code Location 114450 Main Warehouse ST311 2117 111359 92 112314 125 114436 1900 D3415-041 Manufactured No 250 Each 75.0000 1.0000 Nut Plate

Warehouse Location	Loc Oty	Loc Code	M 10-06-14
Main Warehouse			
ST056	75		

75

33842

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Page 3

Required Date: 28/04/2010

M 10.06.14

M/ 10.06.14

Required Qty: 1.00

Work Order ID: 57960

Parent Item:

D206-642-541

Parent Item Name:

Replacement Skidtube

Comments:

CCR264SS3-3

IPP Rev:B□05.09.23□Revised per D206-642 Rev. J□KJ/JLM

IPP Rev:C 07-02-23 IPP Rev:D 07-12-06

Added SS Wearplates & Gaskets JLM replace NAS1515H3L to D3672-1 DD

IPP Rev:E

08-04-17

as per PAR 08-015 DD verified by:EC

Purchased

No

250

Each

724.0000 2.0000

Start Date: 21/04/2010

Start Qty: 1.00

Cherry Rivet

Warehouse	Lo	oc Oty	Loc Code
Location			
Main Warehouse			
ST311		724	
111548		4	
112314		4	
113539		92	
113973		624	
	250	Each	1.912.000 78.0000

ALS4-1032-130

Purchased

No



Insert

Loc Qty	Loc Code
1912	
40	
1872	
	1912 40

B# 114654

April 21, 2010 9:19:08 AM

Page 4

Required Date: 28/04/2010

M 10.06.14

M 10.06.14

Required Qty: 1.00

Work Order ID: 57960

Parent Item:

D206-642-541

Parent Item Name:

Replacement Skidtube

Comments:

IPP Rev:B□05.09.23□Revised per D206-642 Rev. J□KJ/JLM

IPP Rev:C 07-02-23 IPP Rev:D

07-12-06

08-04-17

Added SS Wearplates & Gaskets JLM

replace NAS1515H3L to D3672-1 DD as per PAR 08-015 DD verified by:EC

D3536-15

Manufactured

270

Each

19.0000 1.0000

Start Date: 21/04/2010

Start Qty: 1.00

Gasket

RH	5	0	ر ک	38
17	_	`	\propto	28

IPP Rev:E

Warehouse	Loc Oty
Location	
Main Warehouse	
FP	19
51600	7
56055	12

D3536-23

Manufactured

No

270

16.0000 1.0000

Loc Code

C1					

Gasket

Warehouse	Loc Qty	Loc Code	
Location			
Main Warehouse			
FP	4		
53468	4		
Main Warehouse			
FP011	12		
57529	12		

Each

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Work Order ID: 57960

D206-642-541



Parent Item Name:

Replacement Skidtube

Comments:

Parent Item:

IPP Rev:B□05.09.23□Revised per D206-642 Rev. J□KJ/JLM

IPP Rev:C 07-02-23 IPP Rev:D

Added SS Wearplates & Gaskets JLM

No

IPP Rev:E

07-12-06 08-04-17

replace NAS1515H3L to D3672-1 DD as per PAR 08-015 DD verified by:EC

Manufactured No

Manufactured

270

Each

18.0000 1.0000

Start Date: 21/04/2010

Start Qty: 1.00

Gasket

D3536-35

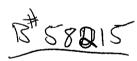
#	<u>:</u>	
B	58637	
		_

Warehouse	<u>Lo</u>	c Qty	Loc Code		
Location					
Main Warehouse					
FP		6			
51628		6			
Main Warehouse					
FP012		12			
57530		12			
	270	Each	11.0000	1.0000	*

D3536-39



Gasket



Warehouse	Loc Oty	Loc Code
Location		
Main Warehouse		
FP	11	
48161	1	
51637	10	

M 10.06.14

Required Date: 28/04/2010

M1 10.06-14

Required Qty: 1.00

April 21, 2010 9:19:08 AM

Page 6

Work Order ID: 57960

D206-642-541

Parent Item: Parent Item Name:

Replacement Skidtube

Comments:

IPP Rev:B□05.09.23□Revised per D206-642 Rev. J□KJ/JLM

IPP Rev:C 07-02-23 IPP Rev:D 07-12-06

Added SS Wearplates & Gaskets JLM replace NAS1515H3L to D3672-1 DD

IPP Rev:E

08-04-17 as per PAR 08-015 DD verified by:EC Start Date: 21/04/2010

Required Date: 28/04/2010

M 10.06.14

Start Qty: 1.00

Required Qty: 1.00

D3535-15

Manufactured No

270

Each

14.0000 1.0000

Wearshoe

Warehouse Location	Lo	Loc Oty		
Main Warehouse				
FP		14		
53462		4		
56053		10		
	270	Each	16.0000	1.0000

D3535-35

Manufactured No

Wearshoe

Warehouse Location	Loc Qty	Loc Code	M	10.06.14
Main Warehouse				
FP	5			
51608	5			
Main Warehouse				
FP018	11			
57528	11			

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Page 7

Required Date: 28/04/2010

M/ 10.06.14

Required Qty: 1.00

Work Order ID: 57960

Parent Item:

D206-642-541

Parent Item Name:

Replacement Skidtube

Comments:

IPP Rev:B□05.09.23□Revised per D206-642 Rev. J□KJ/JLM

Manufactured

IPP Rev:C 07-02-23

07-12-06

Added SS Wearplates & Gaskets JLM

IPP Rev:D IPP Rev:E 08-04-17

replace NAS1515H3L to D3672-1 DD as per PAR 08-015 DD verified by:EC

D3535-39

Manufactured

No

270

Each

9.0000

1.0000

Start Date: 21/04/2010

Start Qty: 1.00

Warehouse Loc Qty Loc Code Location Main Warehouse FP 9

51619

270

24.0000

1.0000

Wearshoe

D3535-23



Warehouse Location	Loc Oty	Loc Code	
Main Warehouse			
FP	11		
53467	1		
56054	10		
Main Warehouse			
FP21	13		
57730	13		
37730	13		

Each

Page 8 April 21, 2010 9:19:08 AM Work Order ID: 57960 Parent Item: D206-642-541 Parent Item Name: Replacement Skidtube Start Date: 21/04/2010 Required Date: 28/04/2010 IPP Rev:B□05.09.23 □ Revised per D206-642 Rev. J□KJ/JLM Comments: Start Qty: 1.00 Required Qty: 1.00 IPP Rev:C 07-02-23 Added SS Wearplates & Gaskets JLM IPP Rev:D 07-12-06 replace NAS1515H3L to D3672-1 DD IPP Rev:E 08-04-17 as per PAR 08-015 DD verified by:EC D3537-3 Manufactured No 270 Each 24.0000 1.0000 Wearpad M 10.06.14 Warehouse Loc Qty Loc Code Location Main Warehouse FP 2 35697 2 Main Warehouse FP17 22 57512 22 D3537-1 Manufactured No 270 Each 51.0000 9.0000 MI-10.06.14 Warehouse Loc Qty Loc Code Location Main Warehouse FP 55465 Main Warehouse FP17 42 1AS1149C033ZR 42 Purchased No 270 Each 0.0000 80.0000

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Work Order ID: 57960

D206-642-541

IPP Rev:E

Parent Item Name: Comments:

Parent Item:

Replacement Skidtube

IPP Rev:B□05.09.23□Revised per D206-642 Rev. J□KJ/JLM IPP Rev:C 07-02-23

IPP Rev:D 07-12-06

08-04-17

replace NAS1515H3L to D3672-1 DD as per PAR 08-015 DD verified by:EC

Added SS Wearplates & Gaskets JLM

AN960C416

Purchased

Manufactured

No

No

270

Each

Each

376.0000 1.0000

Start Date: 21/04/2010

Start Qty: 1.00

washer

Warehouse Location

Loc Qty

Loc Code

M 10.08.14

Required Date: 28/04/2010

Required Qty: 1.00

Main Warehouse

ST346 .

376 376

270

1,581.000 2.0000

D3672-1

Phenolic Washer

Warehouse Location Loc Oty

Loc Code

MM 16.03.14

Main Warehouse

ST077

47628

51674 52505

1581 81

500 1000 April 21, 2010 9:19:08 AM

Work Order ID: 57960

Parent Item:

D206-642-541

IPP Rev:E

Parent Item Name:

Replacement Skidtube

Comments:

IPP Rev:B□05.09.23□Revised per D206-642 Rev. J□KJ/JLM 07-02-23 Added SS Wearplates & Gaskets JLM

IPP Rev:D

07-12-06

replace NAS1515H3L to D3672-1 DD

as per PAR 08-015 DD verified by:EC 08-04-17

AN3C4A

Purchased

No

270

Each

1,799.000 80.0000

Start Date: 21/04/2010

Start Qty: 1.00

BOLT

AN4C5A

BOLT

Purchased

No

Warehouse Loc Qty Loc Code Location Main Warehouse ST350 1799 114103 501 114108 300 114330 498 114416 500 270 Each 533.0000 1.0000



Warehouse Location Loc Qty

Loc Code

M 10.06-14

Required Date: 28/04/2010

M/ 10.06.64

Required Qty: 1.00

Main Warehouse

ST346

533 33

500

112243

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Required Date: 28/04/2010

Required Qty: 1.00

Work Order ID: 57960

Parent Item:

D206-642-541

Parent Item Name:

Replacement Skidtube

Comments:

IPP Rev:B□05.09.23□Revised per D206-642 Rev. J□KJ/JLM

IPP Rev:D 07-12-06

Added SS Wearplates & Gaskets JLM IPP Rev:C 07-02-23 replace NAS1515H3L to D3672-1 DD

IPP Rev:E

08-04-17

as per PAR 08-015 DD verified by:EC

D2646

Manufactured No 270

Each

32.0000 1.0000

Start Date: 21/04/2010

Start Qty: 1.00

Aft Cap

13#57332

Warehouse	<u>Lo</u>	e Qty	Loc Code	
Location				
Main Warehouse				
FP6		28		
52663		28		
Main Warehouse	`			
fp7		4		
52663		4		
	270	Each	31.0000	1.0000

D3413-1

Manufactured

No

Loc Code



Ring

Warehouse	Loc Oty
Location	
Main Warehouse	
ST473	31
51586	8
53446	23

MM 10.06-14



	DESIG	CP	DRAWN BY	DART AEROSPACE USA, INC.
	CHECK	KED 1	APPROVED #	DRAWING NO. REV. D
l		1	-#	D3274 SHEET 1 OF 4
	DATE			TITLE SCALE
	06.1	2.19		SKIDTUBE ASSEMBLY NTS
	Α		04.03.15	NEW ISSUE
	В		04.08.09	MOVE SADDLE HOLE: 42.14 WAS 42.76
	C		05.03.16	ADD -043; NEW INSERTS
	D		06.12.19	NEW INSERTS, SS WEARSHOE + GASKET



					1
Qty	Qty]	
-041	-043	Part Number	Description	_	Í
X		D3274-041	SKIDTUBE ASSEMBLY		
	X	D3274-043	SKIDTUBE ASSEMBLY]	i l
1	1	D2600-1-240	EXTRUSION	1	
1	1	D2646	AFT CAP	1	i
12	12	D2649	CROSS BOLT SPACER	1 !	i
12	37	D3275-1	CROSS BOLT SPACER	1 '	ĺ
1	1	D3282-041	FLOAT WEB	1	i l
1	1	D3285-1	CAP	1 1	
1	1	D3413-1	RING	1	
1	1	D3415-041	NUT PLATE	1	
1	1	D3535-15	WEARSHOE	1	
1	1	D3535-23	WEARSHOE	1 !	i
1	1	D3535-35	WEARSHOE	1	
1	1	D3535-39	WEARSHOE	1	i
1	1	D3536-15	GASKET	1	
1	1	D3536-23	GASKET	1	1
1	1	D3536-35	GASKET	1	1
1	1	D3536-39	GASKET	1	
9	9	D3537-1	WEARPAD	1 1	
1	1	D3537-3	WEARPAD	SHOP CO	PΥ
78	78	ALS7-1032-130	INSERT (or AKS4-1032-130, ALS4-1032-130, AELS-1032-130)	RETURN:	O
80	80	AN3C4A	BOLT	ENGINEER	NG
1	1	AN4C5A	······································	UNCONTROLL	D COPY
1	1	AN960C416	WASHER	-	
80	80	AN960C10L	WASHER	SUBJECT TO AMI	ř
2	2	CCR264SS3-3	RIVET	WITHOUT NO	
2	2	CR3212-4-03	RIVET	WORK OR	DER
2	2	NAS1515H3L	WASHER	NO. 579	60
RAL NOTES: FRANCES ARE REP DART ON ON MARIE ESS OTHERWISE NOTED					7

GENERAL NOTES:

1. TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.

2. DAMAGE TOLERANCE ON FWD BEND:

THERE SHOULD BE NO VISIBLE WRINKLES IN THE BEND FROM THE GROUND TO A HEIGHT OF 7 INCHES ABOVE THE GROUND. IT IS ACCEPTABLE TO POLISH OUT GOUGES UP TO 0.020 DEEP IN THE BENT PORTION OF THE TUBE. A MAXIMUM REDUCTION IN DIAMETER OF 0.150" IS ACCEPTABLE IN THE BENT PORTION OF THE TUBE.

3. ALL HOLES DRILLED ON CENTERLINES.

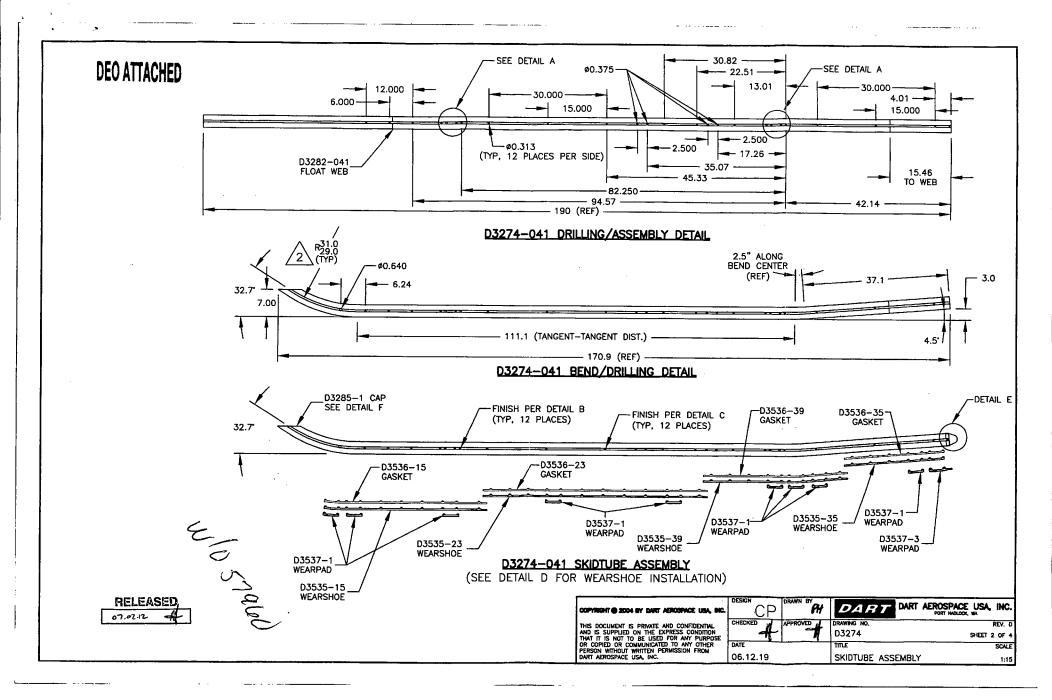
4. BOND D3282-041 FLOAT WEB INTO D3274-1/-3 OUTER TUBE WITH NON-STRUCTURAL SIKAFLEX-241/291 ADHESIVE PER DART QSI 015. ENSURE HOLES LINE-UP.

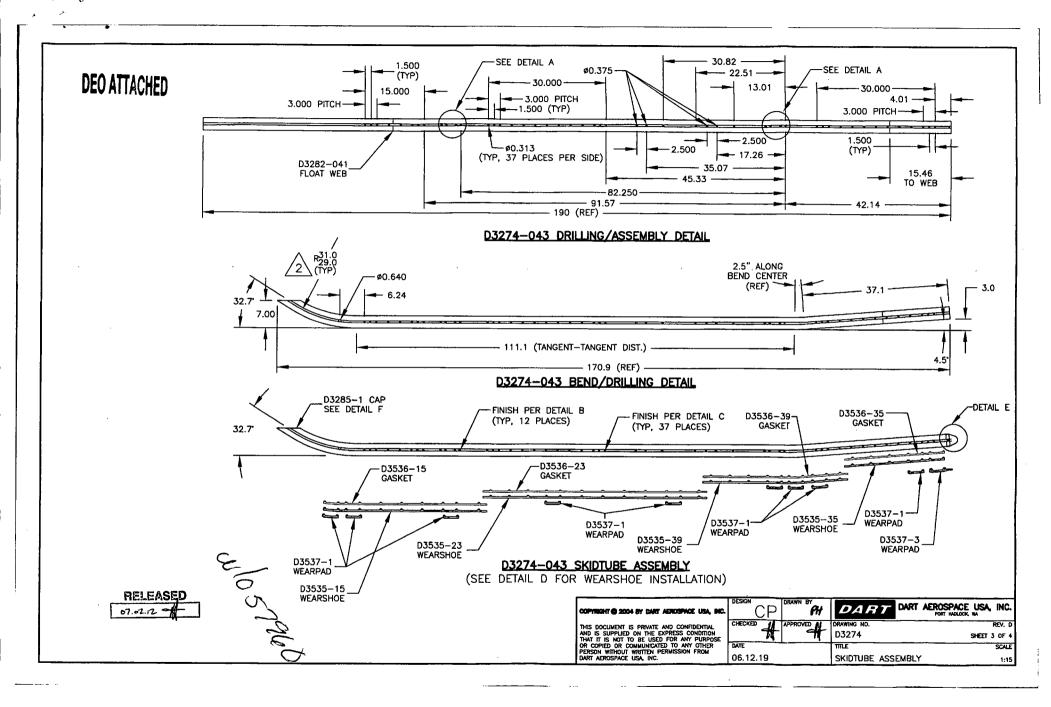
5. WELDING TO BE DONE PER DART QSI 004.

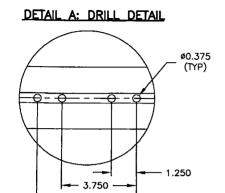
- 6. FINISH: ACID ETCH, ALODINE ASSEMBLY PER DART QSI 005 4.1 POWDER COAT WHITE (REF. 4.3.5.1) PER DART QSI 005 4.3
- 7. DRILL Ø0.297 HOLES FOR ALS7-1032-130 INSERTS USING DT3274-1T2 BEFORE FINISH. INSTALL ALS7-1032-130 INSERTS AFTER FINISH. SEAL WEARSHOE BOLTS WITH SIKAFLEX -241/-291.
- 8. SPRAY INSIDE OF TUBE WITH A COAT OF LPS LABORATORIES "LPS-3" AFTER FINISH AND INSTALLATION OF INSERTS. COAT ALL EXPOSED FASTENERS WITH LPS LABORATORIES "LPS PROCYON" AFTER FINAL ASSEMBLY, CLEAN EXCESS OFF POWDER COATING WITH MEK DEGREASER.

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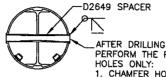






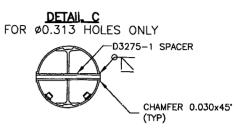
- 5.000

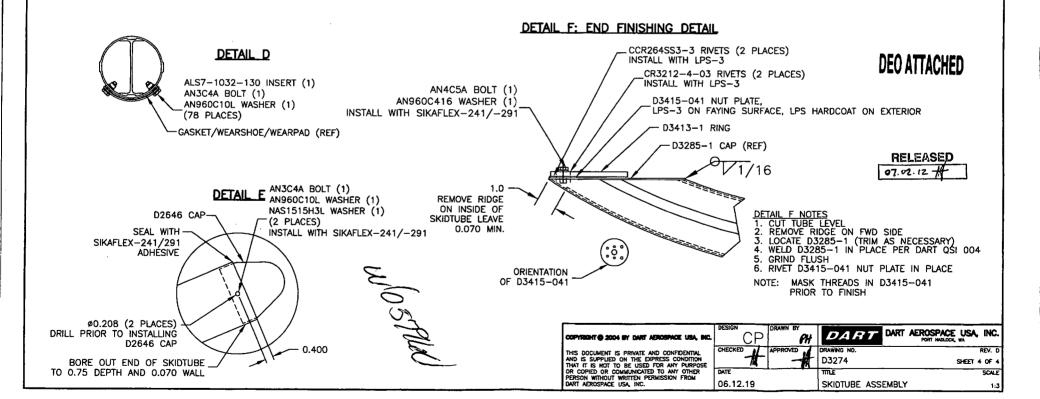
DETAIL B FOR Ø0.375 HOLES ONLY



_AFTER DRILLING AND BENDING ASSEMBLY PERFORM THE FOLLOWING FOR \$0.375 HOLES ONLY:

- 1. CHAMFER HOLE 0.030x45
- 2. INSERT D2649 SPACER
- 3. WELD INTO PLACE AND GRIND FLUSH
- 4. C'BORE TO Ø0.313x0.75 DEEP





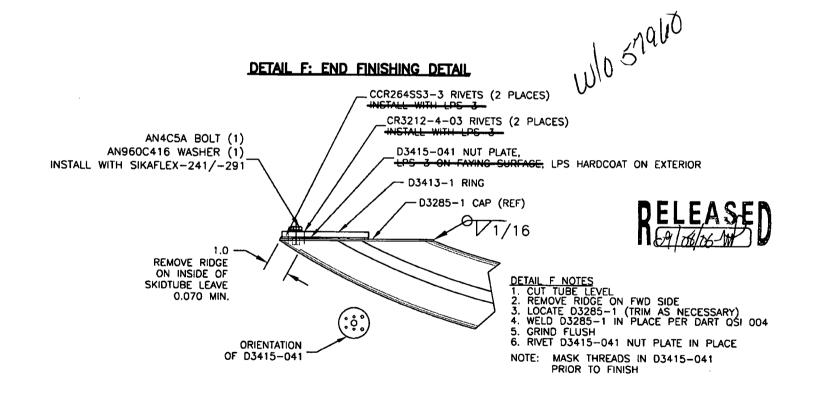
DRAWING N	۷0.	TITLE	REV. D DART AERO	SPACE USA, INC	D.E.O. NO.	SHEET NO.	SCALE
D3274		SKIDTUBE ASSEMBLY	ENGINEE	RING ORDER	D3274-D-1 /)	SHEET 1 OF 1	NTS
DRAWN	<u> W</u>	CHECKED	MFG. APPR.	APPI	ROVED M	DE APPR.	
DATE	09.06.	.17 DATE 09.06	23 DATE 59/	06/23 DATE	E 09/06/29	DATE 09.06.23	

LPS-3 IS NO LONGER USED DURING ASSEMBLY OF SKIDTUBE.

AMEND NOTE 8: "SPRAY INSIDE OF TUBE WITH A COAT OF LPS LABORATORIES 'LPS 3' AFTER FINISH AND INSTALLATION OF INSERTS:

COAT ALL EXPOSED FASTENERS WITH LPS LABORATORIES 'LPS PROCYON' AFTER FINAL ASSEMBLY, CLEAN EXCESS OFF POWDER COATING WITH MEK DEGREASER."

AMEND DETAIL F AS SHOWN:



NO230

AWS D17.1.2001 QUALIFICATION TEST RECORD

Nama	Barclay Elliatt	
Name:	Darcia; Elliott	
Job numb	per: 57356	
Part numl	ber: Dack-1412 - 541	
	on: Noat tube	
Welding P	Process: Tig[Mig[]	
Base mate	eriel: Aluminium	
	AC[DC[]	

TEST REQUIREMENTS AND RESULTS

Visual: Penetration:	pass[] fail[] pass[] fail[]
UNACCEPTABLE	
Cracks: Undercut: Pin holes: Overlap (cold lap) Porosity (surface): Coloration:	pass[fail[] pass[fail[] pass[] fail[] pass[fail[] pass[fail[] pass[] fail[]
Qualifier Kat V	Date of Test Coupon 10.05.05
Welder Torclay Ellipet	Date of Test Coupon 10-05-05

The above named individual is qualified in accordance with AWS D17.1.2001 to weld